

SB3825/SB3835/SB3875  
Infrared Thermal Imager  
Technology Data



Suzhou Grand Sensor Inc.

## Introduction

SB3825/SB3835/SB3875 outdoor thermal imaging telescope, with advanced uncooled focal plane infrared detector and high-quality optical lens as the core, combined with a convenient and fast operating system, compact design, fully functional expansion spare parts, long service life, sturdy Durable and suitable for various environments, it creates an infrared thermal imaging tool with "clear imaging, simple operation and easy to carry" for users.

This product is used in wild animal observation, search and rescue, police law enforcement investigation, night patrol, outdoor sports, personal security, etc. This product has a camera function, which can be connected to a computer via USB to browse the photos taken, which is convenient for multiple people to observe at the same time, creating possibilities for more applications.

## Data sheet

Detector Type	Uncooled focal plane
Resolution	384×288
LCD Resolution	720×540
Focal Length	25mm, 35mm, 54mm, 75mm
Eyepiece	Monocular display (adjustable curve correction)
FOV	14.9°×11.2°; 10.7°×8.0°; 6.9°×5.2°; 5.0°×3.7°
Digital Zoom	2×; 4×
Wavelength Range	8-14μm
Image Frequency	50Hz
Palette	Rainbow, Hot metal, White hot, Black hot
Focusing Mode	Adjustable
Battery	Built-in rechargeable battery
Storage	8G
Image Storage	BMP
USB	Type-C
Working Hours	3 hours
Shutdown Time	40minutes
Weight	500g
Size	180mm×72mm×62mm(25mm focal length)
Protection Level	IP66
Working Temperature	0°C-45°C
Storage Temperature	-20°C-60°C

# Structure

